



Hi-Speed Industrial Service  
7030 Ryburn Dr  
Millington, Tn 38053  
901-873-5300

## AC Recondition Repair Report

FolderID: 99577  
FormID: 13209615

Green Bay Packaging, Pinecrest  
(11362)  
P.O. Box 37  
Plummerville, AR 72127

Priorities Found: ● 13 - Good

### General

1. Job Number	99577
2. Report Date	03/30/2022
3. Customer	Green Bay Packaging

### Name Plate Information



4. Manufacturer	US Motors	P5
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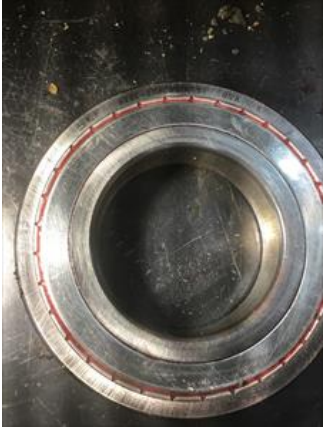

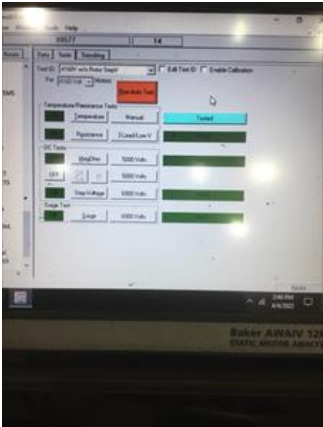







5. Model	53-00851	
6. Serial Number		
7. Horsepower	350	
8. KW		
9. Volts	4160	
10. Amps	45	
11. RPM	1800	
12. Frame	5009	
13. Enclosure	ODP	
14. Cycles	60	
15. Phase	3	
16. Service Factor	1.15	
17. Motor Mount Position		
<b>Initial Inspection</b>		
18. Number of Leads		
19. Lead Length		
20. Lead Size		
 21. Lead Condition	(P) Pass	P42
		
22. Lead Markings		
23. Lug Size, Condition, and Type		
24. Winding RTD's		
25. Winding Rtd's Condition		
26. Shaft Run Out	0.002	

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27.	Does Shaft Turn Freely	yes	
28.	Does Shaft Have Visible Damage	no	
29.	Bearing Rtd's		
30.	Bearing Rtd's Condition		
31.	Contamination		
32.	Frame Condition	(P) Pass	P106
			
33.	Fan Condition	(NA) Not Applicable	
34.	Broken or missing components		
<b>Initial Electric Test</b>			
35.	Resistance to Ground		
36.	Winding Resistance 1-2		
37.	Winding Resistance 2-3		
38.	Winding Resistance 1-3		
39.	Resistive Imbalance		
40.	Hi-Pot		
41.	Surge Test	(P) Pass	P58
			
42.	Stator Condition		
43.	Failure Location		
<b>Initial Rotor Inspection</b>			

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45. Air Gap &lt;10% Variation

46. Number of Rotor Bars

47. Number of Broken Rotor Bars

0

48. Growler Test

● 49. Rotor Condition

(P) Pass

**Mechanical Inspection**

50. Bearing Manufacture

Fannie

P1



51. Bearing DE Size

222WDN USA 2J

P15

🗨 *Notch in bearing goes toward the shaft shoulder.*





52. Bearing DE Type

P23



53. DE Bearing Qty.

1

54. Bearing ODE Size

6222-2Z/C3S1HT51

P43



55. Bearing ODE Type

P53



56. ODE Bearing Qty.

1

57. Insulated Bearing

no

58. Lubrication Type

grease

59. Grease Condition

P74

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60.	Bearing Retainers	(Y) Yes
61.	Shaft Grounding Device	(NA) Not Applicable
62.	DE Seal	
63.	DE Seal Type/Size	
64.	ODE Seal	
65.	ODE Seal Type/Size	
<b>Root Cause of Failure</b>		
66.	Component Failure	bearings
67.	Cause of Failure <i>Contaminated grease/ dirty</i>	
68.	Comments	
69.	Service Technician	Terrence. Holland

*Terrence Holland*

#### Machine Fit Inspection Report

70.	Shaft Run Out	(P) Pass
71.	Initial Shaft Run Out	0.002 "
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	(P) Pass
74.	DE Initial Shaft Bearing Fit Size 1	4.3312 "
75.	DE Initial Shaft Bearing Fit Size 2	4.331 "
76.	DE Initial Shaft Bearing Fit Size 3	4.3311 "
77.	DE Finial Shaft Bearing Fit Size 1	
78.	DE Finial Shaft Bearing Fit Size 2	
79.	DE Finial Shaft Bearing Fit Size 3	
80.	ODE Bearing Shaft Fit	(P) Pass
81.	ODE Initial Shaft Bearing Fit Size 1	4.3313 "
82.	ODE Initial Shaft Bearing Fit Size 2	4.3312 "
83.	ODE Initial Shaft Bearing Fit Size 3	4.3312 "
84.	ODE Finial Shaft Bearing Fit Size 1	
85.	ODE Finial Shaft Bearing Fit Size 2	
86.	ODE Finial Shaft Bearing Fit Size 3	

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87.	DE Air Seal Shaft Fit	
88.	DE Initial Air Seal Shaft Size	
89.	DE Final Air Seal Shaft Size	
90.	ODE Air Seal Shaft Fit	
91.	ODE Initial Air Seal Shaft Size	
92.	ODE Final Air Seal Shaft Size	
93.	DE Endbell Fit	(P) Pass
94.	DE Initial Endbell Fit Size 1	7.8747 "
95.	DE Initial Endbell Fit Size 2	7.8746 "
96.	DE Initial Endbell Fit Size 3	7.8748 "
97.	DE Final Endbell Fit Size 1	
98.	DE Final Endbell Fit Size 2	
99.	DE Final Endbell Fit Size 3	
100.	DE Endbell Fit Insulated	
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Final Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	(P) Pass
105.	ODE Initial Endbell Fit Size 1	7.8744 "
106.	ODE Initial Endbell Fit Size 2	7.8746 "
107.	ODE Initial Endbell Fit Size 3	7.8745 "
108.	ODE Final Endbell Fit Size 1	
109.	ODE Final Endbell Fit Size 2	
110.	ODE Final Endbell Fit Size 3	
111.	ODE Endbell Fit Insulated	
112.	ODE Endbell Air Seal Fit	
113.	ODE Initial Endbell Seal Fit Size	
114.	ODE Final Endbell Seal Fit Size	
115.	Foot Flatness	(P) Pass
116.	Foot Condition	(P) Pass
117.	Flange Condition	
118.	Service Technician	Terrence. Holland
		

### Balancing Report

119.	Balance Type	
120.	Balance Operating Speed	
121.	Start Left End	
122.	Start Right End	
123.	Balancing Specification	
124.	Finish Left End	
125.	Finish Right End	
126.	Service Technician	

### Assembly and Final Test

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127. Meggar Testing Reading
128. Surge Test
129. Hi-Pot
130. Winding Resistance 1-2
131. Winding Resistance 2-3
132. Winding Resistance 1-3
133. Test Run Voltage Phase A
134. Test Run Amps A
135. Test Run Voltage Phase B
136. Test Run Amps B
137. Test Run Voltage Phase C
138. Test Run Amps C
139. DE Horizontal Vibration Reading
140. DE Vertical Vibration Reading
141. DE Axial Vibration Reading
142. ODE Horizontal Vibration Reading
143. ODE Vertical Vibration Reading
144. ODE Axial Vibration Reading
145. Ambient Temp at start of Test Run
146. Temp at 5 minutes
147. Temp at 10 minutes
148. Temp at 15 minutes
149. Temp at 20 minutes
150. Temp at 25 minutes
151. Temp at 30 minutes
152. Temp at 35 minutes
153. Temp at 40 minutes
154. Temp at 45 minutes
155. Temp at 50 minutes
156. Temp at 55 minutes
157. Temp at 60 minutes
158. Motor Paint
159. Service Technician